

ABSTRACT

The goal of this Thesis is to analyze atherosclerosis and its relationship to Cardiovascular Disease, as well as the measures taken to oppose the development of an atherosclerotic lesion and its following complications. Aspects such as Diagnosis, Pathogenesis and alteration of endothelium, as well as complications and clinical manifestations associated to them will be stated.

Pharmacological agents opposing the development of this disease will be analyzed, with agents opposing dyslipidemia - one of the major risk factors of developing atherosclerosis – being the center of this paper's focus.

In the next chapters, new insight on preventing and treating atherosclerosis using statins and fibrates, analysis of individual statins benefits and toxicities as well as possibilities of their combination benefits and risks will be brought to light.